

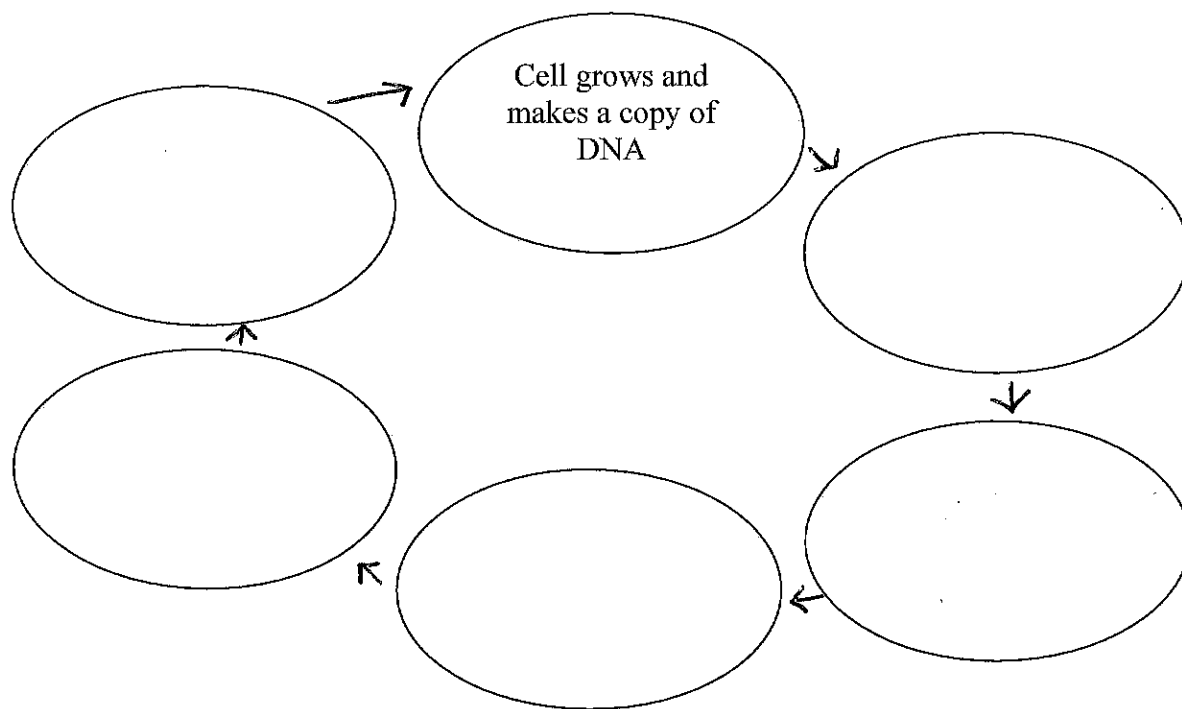
Name:

Date:

Period:

Mitosis Unit

1. _____ is the most important cell activity.
2. Why?
 - Cells _____ out and need _____
 - _____ cells allow body to _____ damaged tissue
 - _____ cells allow body to _____
3. How does a cell make more cells? Depends if cell is _____ or _____
4. Prokaryotic cell = **binary fission** -- _____ into _____ parts
5. Eukaryotic cell = **mitosis** -- cell _____ in which _____ new _____ cells are formed with the exact same number of _____ as the _____ cell.
6. **parent cell** -- _____ cell
7. **daughter cell** -- _____ cell _____



8. **interphase** -- _____ before mitosis begins; cell _____ and genetic material is _____

9. **prophase** – _____ coil up; _____ membrane disappears;
_____ joined at _____

10. **metaphase** – _____ line up in the _____; chromosomes
attach to _____ at the _____

11. **anaphase** – _____ split apart; _____ move to opposite
ends

12. **telophase** – _____ membrane reappears; 2 _____ cells are
formed

13. **cytokinesis** – _____ divides; _____ distributed into new

14. What is the main difference in mitosis between animal and plant cells?

15. **cancer** – uncontrolled _____

